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APPLICANT: Roland Starck et al)
SERIAL NO: 10/691,322) Group Art Unit: 3742
FILED: October 22, 2003) Examiner: Vinod D. Patel
TITLE: ELECTRIC HEATING ARRANGEMENT

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AMENDED CLAIMS

1. (currently amended) Electric heating arrangement having a tubular housing in which is provided at least one PTC heating element and at least one pair of metallic heat dissipators between which the at least one heating element is clamped and which for this purpose each comprise a base portion facing the at least one heating element and one or two curved legs projecting from said base portion, which adapt themselves resiliently to the inner surface of the surrounding wall of the housing, wherein the housing is deformed by the legs of the heat dissipators applied resiliently against the surrounding wall of the housing, and the legs taper toward their free ends.
2. (previously presented) The heating arrangement as defined in Claim 1, wherein the base portion is thicker than the legs projecting from it.
3. (currently amended) Electric heating arrangement having a tubular housing in which is provided at least one PTC heating element and at least one pair of metallic heat dissipators between which the at least one heating element is clamped and which for this purpose each comprise a base portion facing the at least one heating element and one or two curved legs projecting from said base portion, which adapt themselves resiliently to the inner surface of the surrounding wall of the housing, wherein the housing is deformed by the legs of the heat dissipators applied resiliently against the surrounding wall of the housing, and the base portion is thicker than the legs projecting from it.
4. (previously presented) The heating arrangement as defined in Claim 3, wherein the legs taper toward their free ends.
5. (previously presented) The heating arrangement as defined in Claims 1 or 3, wherein the legs taper continuously over their full length.

6. (previously presented) The heating arrangement as defined in Claim 5,
wherein the legs taper uniformly.
7. (previously presented) The heating arrangement as defined in Claims 1 or 3,
wherein the base portion has the greatest thickness in the middle between the legs
projecting from it.
8. (previously presented) The heating arrangement as defined in Claims 1 or 3,
wherein two extensions extending in the longitudinal direction of the housing are
formed on the base portion, on its side facing away from the heating element, which
extensions form a terminal of U-shaped cross-section for a power supply cable.
9. (previously presented) The heating arrangement as defined in Claim 1 or 3,
wherein the base portion exhibits a flat, especially a plane, configuration on its side
facing the PTC heating element.
10. (previously presented) The heating arrangement as defined in Claims 1 or 3,
wherein the surrounding wall of the housing is thinner than the base portion and the
legs.
11. (previously presented) The heating arrangement as defined in Claims 1 or 3,
wherein the wall thickness of the housing is 0.1 mm to 0.7 mm.
12. (cancelled)
13. (previously presented) The heating arrangement as defined in Claims 1 or 3,
wherein the heat dissipators consist of aluminium or an aluminium alloy.
14. (previously presented) The heating arrangement as defined in Claim 13,
wherein the heat dissipators are made from an extruded profile material.
15. (previously presented) The heating arrangement as defined in Claims 1 or 3,
wherein for mounting the heating elements the housing comprises an open end with
an integrally formed flange which can then be closed after assembly.
16. (previously presented) The heating arrangement as defined in Claim 15,
wherein a plastic cap is held on the flange of the housing.
17. (previously presented) The heating arrangement as defined in Claim 16,
wherein a sealing ring is arranged between the plastic cap and the flange.
18. (previously presented) The heating arrangement as defined in Claims 1 or 3,
wherein the housing consists of stainless steel.
19. (previously presented) The heating arrangement as defined in Claims 1 or 3,
wherein the legs together cover almost the whole inner surface of the surrounding
wall of the housing.

20. (previously presented) The heating arrangement as defined in Claims 1 or 3, wherein the wall thickness of the housing is 0.2 mm to 0.5 mm.
21. (new) The heating arrangement as defined in Claims 1 or 3, wherein the housing is deformed by the legs of the heat dissipators applying themselves resiliently against its surrounding wall.